

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: Ron Giuntini <rong@slip.net>
Subject: [9080] 49er boxes
Message-ID: <E0u0G3w-0007Rc-00@fox>

If you don't want to use an Altoids case, Radio Shack part #'s 270-221 or 270-211 should work. I, however, am still waiting for my kit to arrive, as I am getting in on all this late, but it looks like I finally found a good use for all this computer stuff, and that is this group.

KB6GK Ron
San Francisco

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: Dave Fifield <fifield@lan.nsc.com>
Subject: [9112] Another HB rig lives...
Message-ID: <31AB9D0E.3BC3@lan.nsc.com>

I finished wiring up my 144.2 MHz (+/- a bit) VXO'ed R2/T2 ssb/cw rig over the weekend and tried going back to a local's CQ on ssb. He heard me....I couldn't believe it...I was only running 2mW (1mW by the time it got to the antenna) and I was vertically polarized (good for another 15 to 20dB loss I reckon). I'm going to use it as a tuneable I.F. with "no-tune" transverters for the microwave bands. I shall bring it along to the Norcal meeting this weekend to show it off (I'm proud of it!).

Later in the weekend I designed and built a linear amp to bring the o/p up to about 1 Watt. Seems to work ok, but needs on-air testing yet. Audio, both rx and tx is outstanding!

QRP on the microwaves here I come....

72, Dave Fifield

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|--      KQ6FR      --|  
--||      QRP-L  #92      ||--  
|--      Norcal #1486      --|
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From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: KC7FYS@aol.com
Subject: [9083] Does RADIO SHACK have a webpage or email addresss?
Message-ID: <960528004638_543781305@emout18.mail.aol.com>

Hello,

Could somebody on the list email me the fax#/or email address of Radio Shack?
And do any of you know if things can be mailordered from them
internationally?

73

Jonathan 7J1AWL/KC7FYS

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: Bruce Pea <pea@wolfram.com>
Subject: [9093] GAP Titan Antenna
Message-ID: <199605281442.JAA29644@dragonfly.wolfram.com>

Hi Gang -

Is anyone using this antenna? I'm thinking about getting
one and would be interested in any comments anyone has.

Thanks -

72, 73s

Bruce, N9WKE

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: Russ1031@aol.com
Subject: [9102] How Much Does the Darn Thing Weigh?
Message-ID: <960528141738_205418620@emout18.mail.aol.com>

In anticipation of the first Spartan Sprint on June 3, Adventure Radio
Society has been developing a table of weights for popular QRP rigs and
batteries. The table below is our most current version. We'd be most
grateful if the QRP-L membership could provide us with corrections and
expansions for the table. Send your comments to Russ Carpenter, AA7QU,
Russ1031@aol.com.

We will regularly publish updates to the table on our web site,
<http://members.aol.com/adradio/index.html>.

Table of Weights for Equipment and Batteries

(Note-the omission of any equipment or batteries from this list does not
have any negative implications. We are continually updating this list as
we collect more information about weights. Weights are generally rounded

to the nearest tenth of a pound.)

Transceivers

Heathkit

HW-8 (4.5 pounds)

HW-9 (4.7 pounds)

Index Labs

QRP Plus (5.1 pounds)

Miscellaneous

40-9er, with case (0.3 pounds)

Empty Altoids box (0.1 pounds)

Cascade (?)

Epiphyte, with case (?)

NN1G, with case (0.5 pounds)

NW 80/20 (1.3 pounds)

Two-Fer transmitter (0.4 pounds)

K9AY transceiver (1.6 pounds)

Letrokit Spider transceiver (0.7 pounds)

Oak Hills

OHR-400 (3.7 pounds)

Spirit II (3 pounds)

Classic (3 pounds)

Explorer (2 pounds)

Spriit (1.1 pounds)

Small Wonders

XX-40, with case (0.8 pounds)

Green Mountain, with case (?)

S & S

ARK1 (?)

TAC1 (1.9 pounds)

Ten Tec

Argonaut II (8.1 pounds)

556 Argo (?)

Wilderness

40A (0.9 pounds)

Sierra, with one band module (1.3 pounds)

Each additional band module for the Sierra (0.06 pounds)

Antenna Tuners and Related Meters

St. Louis Tuner (1.7 pounds)

MFJ Versa Tuner (1.5 pounds)

MFJ 16010 tuner (0.9 pounds)

Vanco SWR-3 swr meter (0.3 pounds)

Oak Hills Research WM-1 QRP wattmeter (1.3 pounds)

Heathkit QRP wattmeter (1.1 pounds)

Keys

Benchner paddles (2.9 pounds)

G4ZPY miniature paddles (0.4 pounds)

Vibroplex bug (3.8 pounds)

Typical brass straight key, wood base (0.5 pounds)

Keyers

KC-1 keyer and frequency counter, board and components only (0.05 pounds)

Headphones

Typical Walkman lightweight headphones (0.1 pounds)

Batteries

Power Station SB152 (7.6 pounds)

Yuasa sealed lead-acid 7.0 Ah (5.7 pounds)

Yuasa sealed lead-acid 4.0 Ah (3.7 pounds)

Yuasa sealed lead-acid 2.6 Ah (2.6 pounds)

Yuasa sealed lead-acid 1.2 Ah (1.2 pounds)

Icom CM12-6 case, loaded with 10 AAs (0.7 pounds)

8 AAs, without case (0.5 pounds)

9 v battery (0.1 pounds)

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996

From: Steve.Hideg.1@nd.edu (Steve Hideg)

Subject: [9108] Internet QRP Club WWW Site update

Message-ID: <v02130521add10c44b4e6@[129.74.35.16]>

<<http://qrp.cc.nd.edu/QRP-L/>>

The Internet QRP Club's web site now contains QRP To The Field photos courtesy of Gary Diana, N2JGU. They are in the QRP Pictures area, under the "Various photos and images submitted by QRP-L members." link.

You can go straight to them at:

<http://qrp.cc.nd.edu/QRP-L/miscpics/n2jgu/>

In the near future, look for photos from the QRP events at the 1996 Dayton Hamvention (tm).

72

--Steve

Steve Hideg Macintosh Consultant/Analyst

Office of Information Technologies Telephone: (219) 631-3926
University of Notre Dame URL: <http://www.nd.edu/~shideg/>

Three out of four people make up 75% of the population.

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: Doug Hall <doughall@nando.net>
Subject: [9113] K9AY rig questions
Message-ID: <199605290033.UAA28559@merlin.nando.net>

Hi all,

This past weekend I finished building a 30m version of the K9AY transceiver kit from A&A. It works fine on receive, and transmits fine into a dummy load, but when operating into a real antenna it appears that the PA oscillates. I'm not sure yet if there is RF getting into the supply line or just what the problem is, but I'm wondering if anyone else has had the same problem? Clean as a whistle into the dummy load, but nasty sounding (like a

spark transmitter :-) on the real antenna. The antenna is a 30m rotatable dipole and has an SWR of about 1.1:1. Unfortunately I've got the rig on the bench again 'cause I bottomed out one of the cores on the transmitter board and cracked it trying to tweak things up. So as soon as I replace the can I've got to figure out where the instability is coming from. Any clues? It happens even with the case on and the boards tightened down.

I know there are newer/better designs than this available now, but I got the kit (one of the last 30m ones) at the Dayton 'fest at a price I couldn't refuse. The receiver seems quite good, and the little rig only draws about 30 mA on receive. I'd be interested in corresponding with those of you who have built these rigs. I can get the same deal on a 40m version and am considering it.

73,

Doug, KF4KL

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: bhopkins@polarnet.com (Bruce Hopkins - KL7JAF)
Subject: [9079] LDG Electronics QRP Antenna Tuner
Message-ID: <v01530500adcedd127f47@[204.119.24.96]>

Hi Gang...

A post the other day by Bob-WA3YON caught my interest so I followed the URL for LDG Electronics (<http://www.radix.net/~ldg>) to see if there was any mention of the QRP version of their AT-11 Auto-Tuner... Finding none I dropped them an e-mail (ldg@radix.net) and received a quick response, thought I'd share it for those that might be interested...

----- LDG's Reply -----

Bruce,

We announced at Dayton that we will have one out by late this summer. We'll e-mail you again when we're ready to ship.

>From the feedback we've been getting, we're thinking of two qrp versions. One with latching relays (power consumption will be around 8mA, once tuned) and costing about \$150. The other will use non latching relays (power consumption about 300 mA, max) and cost about \$90. Latching relays are expensive.

Both will be about 3.5 by 4 by 0.5 inches, tune in about 2 seconds and require about 0.1 watts of drive.

Thanks for your interest,

Dwayne
WD8OYG

LDG Electronics

Phone: 410-586-2177 Tech Support 5-9 pm EST
Fax: 410-586-8475 <new number> 24 hour
<new e-mail and home page>
e-mail: ldg@radix.net
<http://www.radix.net/~ldg>

72/73/oo's - Bruce * KL7JAF

QRP-L #380 QRP-ARCI #9061 G-QRP #9181 Norcal #1543 ARS #14
ISSB #14548 TFO #359 McPig #003

E-Mail: bhopkins@polarnet.com
Web Page: <http://www2.polarnet.com/~bhopkins>

KL7JAF TMPS 1996 Qs=006 States=02 Confirmed=00 DX=03
HI CA

"Every Man should learn to play the Flute,
but not well..."

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: kd7s@valleynet.com (Bill Jones)
Subject: [9085] MC1350P at Audio Frequencies?
Message-ID: <199605280454.VAA27698@valleynet.com>

Is there any reason an MC1350P i.f. amplifier chip couldn't be used at audio frequencies such as in a direct conversion receiver? The combination of power gain and agc range appears very appealing. I have never seen it used in a direct conversion receiver and am beginning to wonder if the noise figure might be a limiting factor. Or perhaps the high gain may lead to instability. What about dynamic range? Does anyone have any experience along these lines?

=====

Bill Jones - KD7S <><
QRP-L Member #85
Sanger, California
Reply to kd7s@valleynet.com

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From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [9078] New ARRL QRP Book
Message-ID: <19960528.023346.4383.1.k7yha@juno.com>

This may be "old news" but here it goes, anyway.

The ARRL is coming out with a new book to replace "QRP Classics" which is now out of print. It's called "QRP Power" and will feature reprints of articles in QST, QEX and one here to fore unpublished article on optimizing the NN1G rigs.

Lots of good stuff inside the covers. Should be a big seller.

It should be out prior to Field Day. I don't know when the dealers will be stocking them, so best deal direct with League HQ.

ATTENTION ZUNIs: I will be bringing one copy out as a give away prize for your raffle at FD. N1BKE promised me a copy to bring along....Somebody's gonna get lucky!

72/73 rich K7YHA

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: svecbrdk@well.com (Lillian Svec and Wayne Burdick)
Subject: [9086] NorCal 4th anniversary meeting Sunday: KC2 demo, too...
Message-ID: <199605280554.WAA25877@mh1.well.com>

>Hey don't forget that Sunday is the start of the 4th year for NorCal.
>By the way, we have over 1715 members as of tonight. See you all
>Sunday. 72, Doug

Wow! I hope they don't ALL show up in Pleasanton Sunday. :) Guess those '40-9ers fueled a growth spurt. Thanks to my shotgun engineering, there's nearly a whole book on 40-9er mods :<

For those who do make it to the upcoming meeting, I'll have the KC2 prototype on-hand, built into my Sierra. (Check prior postings for details. The KC2 is the latest NorCal club project, a small keyer/LCD counter/S-meter/wattmeter module.)

See ya Sunday--

Wayne,
N6KR

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [9105] QRP Atlas 110
Message-ID: <n1378828932.13834@msmailgw1.arlut.utexas.edu>

Someone was asking about this transmitter as QRP.

The rig originally was a 15 watt or so rated, but probably did not do that well on the upper bands. Thus, if one is getting 3 watts from the driver, that might be a reasonable finding.

As to the extinct CD..... series transistors, one should contact RF Parts Co., which I think is in San Marcos, CA., but which definitely advertises in the back of the ham magazines, like CQ and 73, and maybe QST, and they have transistors and some parts for Atlas make radios. They had some broadband transformers that appear to be out of the finals of this brand, and definitely advertise circuit boards that form the final stage of the 350XL model. It appears they perhaps had some tie to the company, and should be able to tell you what transistor you need, even a substitute.

I have one of these, but have not had it long, and no time yet to dig into the details of the final. Visually, it appears similar to the earlier 2xx model series, in that there are some broadband ferrite transformers, coupling to a driver stage that then drives a pair of final transistors.

As some on this list know, the Ten Tec 556, and 555 models differ only in that the QRP 556 Argo leaves off the heatsinked dual final transistors and runs the LP filters for each band to the driver transistor stage for the QRP power level. The same LP filter contained in the plug in band module, is used for both QRO and QRP. In fact, the 555 can be converted to QRP 556 by disconnecting 12 volt line to finals, and re-arranging the coax cables internally. They just plug into on board connections. I have been thinking of seeing if the 110 could be used QRP by such an arrangement.

--Stuart K5KVH

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [9095] QRP from U of MD
Message-ID: <Pine.3.89.9605281137.B16774-0100000@w3eax.umd.edu>

Ooooo, baby. I happened to be driving through the area on Saturday morning, so I stopped at W3EAX (U of M club station). Got on 20m with the IC-736 cranked down to 1 watt. A few times, I'd proceed to bump it up to 4-5 watts.

For those not familiar with the club, the 6 element tribander is on a 50' tower on top of a roughly 60' building.

I had roughly 40 minutes to play, and in that period went at it semi-casually (CQ WPX CW contest was going on). With roughly 3 minutes spent calling CQ, and the other 37 minutes spent with a "search and pounce" technique, it netted 20 QSOs.

I know how AA2U does it - antennas, antennas, antennas. Reminds me of the year we did QRP field day with a pair of tribanders at 100'...really, no kidding! Wkd Hawaii on 5 watts from MD on 15m in mid-afternoon...1200+ QSOs with 3 radios...those were the days...no substitute for antennas...

* Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 80-10/6/2/440 *
*** VHF @ <25w, HF @ <5w *** Save a cake, pound BRASS instead ***
* 138 cfd with dipoles * QRP-L #147 QRP ARCI #9054 DXCC/WAS/WAC *
* 301-549-1022 h / 301-982-1015 w * 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [9092] QSL Info 5N0MVE

From: k7yha@juno.com (Richard H. Arland)
Subject: [9077] Sierra Modules
Message-ID: <19960528.023346.4383.0.k7yha@juno.com>

Since I'm going to be taking my Sierra and 7 band modules on the road this summer for a 'round the states trip, I want to secure the torrids to the band module pc boards. Anyone got any suggestions? It seems like hot glue would due the trick, another one of the locals suggested bee's wax. Ideas, anyone?

72/73 rich K7YHA

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [9111] Sierra Modules-Tnx
Message-ID: <19960528.213324.4391.7.k7yha@juno.com>

Hi Gang:

Many thanks to all who replied. If I cannot find the Dow Corning silicon sealant #3145, I'll probably go with the "nail thickner" that was suggested by several others. (With a house full of women, I should be able to find something similar!)

72 & 73 rich K7YHA

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: "Bob Smith" <bsmith@msn.com>
Subject: [9109] ST Louis Tuner & N40A Mods
Message-ID: <UPMAIL01.199605282104010182@msn.com>

Anyone know where I can get a St. Louis or have they all gone - aren't they in the same case as the W40A? Using the MFJ QRP tuner now and want something smaller...

Also have a Wilderness 40A - I understand there are some mods to boost the power a watt or so - can someone point me to them. Thanks!

Bob Smith
Sr. Manager, Dial Access Services
internetMCI Marketing
770-668-5231 rsmith@internetmci.com

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: PDouglas12@aol.com
Subject: [9101] St Louis Tuner dummy load question
Message-ID: <960528135115_312051519@emout13.mail.aol.com>

Hi gang,

I just finished the St Louis tuner, and it works very nicely. I did notice that the swr meter deflects about 3/4 scale with built-in the dummy load in line. Is that normal? Did I miss a mod somewhere? It works perfectly to show a null when the tuner is used and it also works in straight-thru when the antenna it is connected to is at 1:1. In either of those cases the swr reverse meter (top) doesn't move or moves just a hair off the left post, as one would expect at 1:1 with an swr meter. But it seem to think the internal dummy is very high. Is this just a natural consequence of having the dummy load in close proximity to the sensors for the swr meters? Does that mean I should just adjust the reverse meter for max and ignore it when using the internal dummy load? Incidentally, the lower meter seems to be working fine and is reasonably consistent, whether it is measuring dummy load or external antenna. So, any similar experience out there?
Thanks for the info es 72,

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [9114] The K7YHA U.S. Tour 1996
Message-ID: <19960529.011938.8023.1.k7yha@juno.com>

Hey, if Rod Stewart can get away with it why not me?

Tricia and I are loading up the Outback on June 14th and pulling out for a 8000 + mile drive around the states. We will drive down to Raleigh, NC to see AA4XX and from there pick up I-40 for the trip across the lower '48, enroute to Zuni Field Day.

The plan is to alternate drivers while one of us drives the other one sleeps....or, if it happens to be my turn in the sleeping bag, get on the air with the NorCal-40A and a Hamstick whip and make a few QRP QSOs while zipping across the states.

Here's the deal, if you manage a contact with me while I'm in the Subaru, mobile on the interstate you'll get a special commemorative QSL. Contacts will be highly erratic due to the driver changes. Therefore, I can't maintain any kind of sked. 2 meter and 70 cm FM contacts don't

count.....we're taklin' "Real Radio....not that kid stuff"!

I will be using the Wilderness NC-40A at 3.5 watts output and a hamstick tuned to 7040. I won't be far from that freq at any time that I have the radio on, so look for me around '040. QSOs will be, out of necessity, short and sweet.....as I try to use the keyer while bouncing around in the back of the 'Roo. I will maintain a log of times that I am on the air, so if you hear me and can't make a QSO, send me the SWL report and if it matches, I'll QSL.

This should be a fun trip. After Zuni FD we will go to San Diego, a quick trip across the boarder (Tricia wants to see Mexico....) and then up the Pacific Coast Highway to Washington State to see relatives. We plan on returning to Wilkes-Barre, PA on or about the 4th of July, via I-94 and I-80. This might change as we are exploring the possibilities of going back across southern Canada, instead.

At any rate, I will be trying to make QSOs as I can when it's my turn in the bunk all along the way. More details as we get nearer to the date.

72/73 rich K7YHA

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: "Rafael Garcia (EA4RJ)" <tie@bitmailer.net>
Subject: [9096] TMPS
Message-ID: <Pine.LNX.3.91.960528184515.334C-100000@ea4rj.ampr.org>

On Mon, 27 May 1996, W. Dennis Zeares wrote:

> oh yes TMPS... well the combination of low power plus poor
> antenna means that I just don't seem to be heard by very
> many people... but maybe the band will get better...
> Y'all with good ant. systems please listen for the real
> weak signals... thanks,

Me too!! :)

BTW, it seems the propagation on 30m is getting better. Last Saturday, I was able to hear two Japanese stations, JA5IU was the most powerful. Didn't tried to call him due the pile up over its frequency. It was around 23:00 UTC. At the same time I was hearing a W1 station; I called but no reply...

I hope the condx will be better in a couple of days.

Regards,

Rafael,
Madrid (Spain)

EA4RJ TMPS 1996 Qs=007 States=00 Confirmed=00 DX=04
DL G GW PA

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [9106] TMPS
Message-ID: <31AB56C1.4538@bnl.gov>

I'm continuing to work my TMPS almost exclusively mobile. I have the SW-30 in the car and a 30m Hamstick on the bumper. It's a little tough hearing the hundreds of QRP-Lers out there for the TMPS, but I keep trying. I'm on every day to and from work and any other time I have to go somewhere in my car (as opposed to family travel).

On May 21 I took a 1/2 day off for my birthday and on the way home called CQ. A strong signal responded QRP? So, I replied DE KF2PH/M KF2PH/M QRP K? The station identified himself as K1TJ - Tom running 3 watts in Va. I think he said mobile. We chatted a little. He had a great signal for mid-day 30m running 3 watts from anywhere, let alone mobile in Virginia, but who knows 30 is crazy band.

So now I go to QSL the guy and there's no K1TJ in the QRZ database. So what do you all think? Did anyone else work him? I think someone was pullin' my chain! I'm counting the contact in my TMPS total, but I guess I can't count Va. as a new state if he doesn't really exist :(

72 - Thought you might be interested.
Nick

KF2PH TMPS 1996 Qs=024 States=09 Confirmed=03 DX=04

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Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: windish@ix.netcom.com (Walter G. Windish)
Subject: [9107] WPX Test and 40 M
Message-ID: <199605281946.MAA10859@dfw-ix9.ix.netcom.com>

The weather was too nice to spend indoors operating, but I managed a few WPX contest QSOs regardless (79 in 5 hours). I wanted to put my Icom 706 through the hoops. I managed a few runs on 40 M that I thought were pretty good. All contacts were made at 3 Watts into a G5RV up 25 feet. The QTH is up on a ridge - A "Jersey" ridge that is, 450 ft. above sea level. All times, dates are Zulu:

May 25	May 26
0215 SM5IMO	0221 OK2RZ
0221 LZ9A	0223 PA6WPX
0223 VE3EJ	0224 K4LTA
0227 9A6K	0225 TM4US
0229 S53R	0229 JA5SEY/HP3
0232 KB96GID!?	0241 DL1AUZ
0236 OM7DX	0242 YW1A
0238 S59AA	0247 S52PK
0243 S50A	0249 WC4E
0247 HG30	0251 SN6F

2334 VC3NR
2338 OM8A
2340 PY0FF
2346 9A1A
2347 IQ4T
2349 RW2F
2351 OT6A
2353 GX0WPX

I must have been putting out a great signal, 'cause they all gave me 599s! Except for G3HGE who went out of his way to give me a 449 on 20M. (I know, I know, if I want honest reports I should wait for the next QRP test.) I just wanted to give the old G5RV one last contest before I tear it down. I figure now that the leaves are all on the trees, what better time to try to put up an 80M loop? 73,

Walt KB2JE

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: James Bell <jim.bell@canada.cdev.com>
Subject: [9090] RE:40 M Antenna

Message-ID: <199605281300.JAA66523@nss2.CC.Lehigh.EDU>

Brian N5ZGL was looking for a good portable 40 meter antenna for QRP portable work.

One antenna that I have found good for portable work is the 1/4 wave folded marconi made from tv twin lead.

Over all length is 33ft.

$1/4 \text{ wave} = 234 / 7.040 = 33 \text{ ft } 2 \text{ in.}$

Because twin lead has a velocity factor of approx .88, the length of twin lead now becomes 29 ft 3 in.

So start with a length of twinlead 29 ft 3 in long .
Short the FAR end from where you will feed it.

Extend the shorted end with a length of flexible wire to an overall length of 33 ft 2 in.

The feed point is at the one leg at the open end of the twin lead. The other adjacent end of the twin lead (next to the feed) must be grounded.

1/4 wave radials help a lot but you can use a single 1/4 wave length as a counterpoise and lay it in the direction you want to transmit.

The antenna is fed with 50 ohm coax.

The wire extension should be elevated as high as possible but the whole system can slope or be bent in an "L" configuration.

The whole kit rolls up neatly for stowage in your pack for portability.

Ive used a 20 meter versions of this antenna with a mil packset and had great success with qrp DX contacts .

I believe that Doug DeMaw suggested this design some time ago.

72 JIM VE3DDY

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996

From: "Frank G3YCC" <g3ycc@enterprise.net>

Subject: [9100] Re: 40 Meter QRP Antennas Wanted

Message-ID: <199605281855.SAA18772@mail.enterprise.net>

It has to be a resonant antenna or you'll have bother with out of band sigs, if you don't already! A dipole, full size or mini with loading coils is one possibility. The other one that springs to mind for general /p op is the W3EDP, but have fun anyway. I would plum for a dipole.

73

Frank G3YCC G QRP 042

QRP Web Page: <http://homepages.enterprise.net/g3ycc/>

Packet: G3YCC@GB7HUL.#15.GBR.EU

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: H Smith <hbs@crl.com>
Subject: [9081] Re: Any Sierra Users?
Message-ID: <Pine.SUN.3.91.960527204803.19879A-100000@crl7.crl.com>

On Tue, 28 May 1996, Raymond Tougas wrote:

> Hi,
>
> My name is Ray. I'm a long time backpacker/QRP'er. I'm seriously
> considering buying/building the Sierra. Have any of you build
> and/or used one of these? I'd appreciate your observations before
> I plunk down my hard-earned overtime money!
>
> >Radio-Ray ..._ ._
> N0EKU
>

Ray, Smitty, NA5K here.

There is a write-up in the latest QST on the Sierra.

I just finished building the Wilderness Sierra about 2-3 weeks ago.

No problems. The instructions are super, the board is great.

I built the 30 and 40 meters plugins and have used the Sierra from the mobile for about two weeks. I manage to make Contacts from the /m any morning I get on the air. I have also used the Sierra at home on the 30 and 40 meter Delta loops.

The rig runs 2-3 watts. I think that this is plenty. Granted it is about 3 dB less than 5 watts, but that is only about 1/2 an S unit. Big deal.

The adjustable bandwidth filter is very nice. I haven't brought the pot out to the front panel yet, but I have the ABX set where I want it.

My only complaint concerns the band spread. The Sierra is supposed to

cover 150 Mhz. Mine covers about 140 Mhz. That is about twice as much as I need. For example, from 7.040 to 7.050 is less than 1/4 of a turn.

BTW, my Sierra crys itself to sleep each night because it wants a KC1 or KC2 as a companion.

CUL,

Smitty, NA5K

Henry Smith (hbs@crl.com)

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [9088] Re: Any Sierra Users?
Message-ID: <19960528.105308.4391.1.k7yha@juno.com>

Suggest you obtain a copy of QST, June 1996. KX4V has an article in there about all the latest QRP kits and the Sierra and NorCal-40 are included. I loaned them my two radios for that particular portion of the article and wrote the comments.

I believe that the Sierra outshines all other multi-band QRP CW kits currently on the market and may very well become the benchmark for any future attempts at QRP kitmaking.

It works great....I've worked 55 countries using it, so it's a DXers radio. It packs up into a small package, current drain is light and, most of all, it is a fun radio to use. The performance is spectacular.

72/73 rich K7YHA

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: msdooley@rdxsunhost.aud.alcatel.com (Michael S. Dooley)
Subject: [9091] RE: confused current flow
Message-ID: <9605281322.AA24123@collie.aud.alcatel.com>

I had this same problem, but was taught that the flow from Negative to positive was electron flow and the flow from positive to negative was hole flow. Holes being the spot where an electron was supposed to be. Hence, electrons flow from negative to positive to fill holes, or holes flow from positive to negative to get an electron. Boy, this should

start an avalanche of mail!

> Coming from the tube world as a kid I fought the "positive current"
> convention in college for a while, but then I just gave in and found it
> to be much easier. Now my mind automatically switches between negative
> (electron) current when looking at tube circuits, and positive
> (conventional) current for solid state. The fact is that in most
> situations it doesn't really matter which way the electrons are
> flowing!

Mike KE4PC

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: H Smith <hbs@crl.com>
Subject: [9082] Re: FIRST NorCal 49'er QSO!!
Message-ID: <Pine.SUN.3.91.960527210123.19879B-100000@crl7.crl.com>

On Mon, 27 May 1996, Brian Mileschosky wrote:

> Why can't we gloat? Why do we have to be humble? This is an awesome
> accomplishment to me to talk with a person so far away with just 250 mW and
> a radio that I built! That's around 1940 miles per watt! It may be a puny
> ... etc ...

However,

Don't ever forget that these other stations have to put up with our peanut
whistle signals. Sometimes it is an accomplishment for them to dig us out
of the noise and carry on a QSO with us. I wish there was a Q-signal for
"Thanks for being persistent" :-)

Heres another thought.

Let's say that a station runs 100 watts but has an antenna that is so
inefficient that his signal is about the same as if he was running 25 watts.

So he decides to run QRP at 5 watts. With that antenna, he sounds like
he is only running 5/4 watts.

The point: The less power you run, the more important it is to put up the
best antenna that you can put up.

QRPP plus a good antenna. Now that's an accomplishment :-)

CUL,

Smitty, NA5K

Henry Smith (hbs@crl.com)

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: Tim Pettibone <tpettibo@nmsu.edu>
Subject: [9097] Re: GAP Titan Antenna
Message-ID: <199605281716.LAA13481@NMSU.Edu>

Bruce:

I've had the Titan up since New Years. It's great on all bands except for 30m. The SWRs are all very good (so is a dummy load), including 30m. I think I have a unique problem that I continue to work on. On 30m noise and signals are down an average of 3-4 s-units on this antenna. I may have a resonance problem with a very close stucco-enclosed chimney with a metal insert. Have tried moving it away and that seems to help but I really don't have the option of relocating the antenna. So I continue to work on it. Put up a 66' zepp fed with 300 ohm and it's great on 30m (using a MFJ tuner).

The antenna is stout (25' and 25#). They say no guys are required but I found out the hard way - wrong! Now have kevlar guys and it's been thru some heavy wind. I have it mounted up 17' at the base. All of this in a patio home for which the covenants say no antennas! I really like the Titan except for the 30m problem.

72, Tim AB50U

p.s. I've heard from others that theirs does fine on 30m - just a personal gremlin!

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [9099] Re: Need Help with NorCal 49er!!
Message-ID: <199605281855.SAA18769@mail.enterprise.net>

you would need to increase the front end selectivity by increasing the number of tuned circuits, which need to be lightly coupled, and use a resonant antenna of course. There are other things you could do, but as the rig is meant to be a 'fun rig' (I think!), and tiny with it, you may not wish to do too much, or even be able to in the

space concerned.

I wish you luck!

73

Frank G3YCC G QRP 042

QRP Web Page: <http://homepages.enterprise.net/g3ycc/>

Packet: G3YCC@GB7HUL.#15.GBR.EU

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996

From: Hank Kohl <k8dd@sun.tir.com>

Subject: [9084] Re: ShortHand CW

Message-ID: <9605280452.AB24389@tir.com>

At 19:11 05/27/96 PST, you wrote:

>Joe KA0YOS wrote:

>

>> Would someone be kind enough to send all of them to the list? If a = 1

>> and n = 9. I don't see a real partern here.

>

There may be a lot of "cut codes". In contests (the original question)
the generally accepted abbreviations or short cuts are (and this was
originated in EU, as I remember) a is 1 n is 9 and t is 0. In the major
contests these are all you will hear.

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@tir.com

*/ MI-QRP QRP-ARCI G-QRP NorCal

*/ ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-1@Lehigh.EDU Tue May 28 23:31:00 1996

From: "Roy G. Jackson" <rjackson@adsnet.com>

Subject: [9089] Re: ShortHand CW

Message-ID: <31AAD9D0.4568@adsnet.com>

Johnson_Dan@AAC.COM wrote:

>

> Joe KA0YOS wrote:

>

> > Would someone be kind enough to send all of them to the list? If a = 1

> > and n = 9. I don't see a real partern here.

>
> Someone did, so I won't repeat. The pattern is reduction of
> time-consuming elements: dah is the longest. "1" has four dahs, so

(stuff deleted)

At the risk of sounding like a simpleton . . . why not just use the entire number? I think sometimes we get a little carried away with these shortcuts. How much time are we actually saving anyway? If you take the standard word, 'PARIS', sent at twenty WPM, you can send 200 dots and 80 dashes in one minute. Nothing works better than plain English. Probably the same people who use these 'abbreviations' would be quick to condemn users of other radio spectrum for their 'jargon'.

Just my opinion.

Roy G. Jackson Amateur Radio Station NY9B
rjackson@adsnet.com (home address)
usboscwrc@ibmmail.com (work address)
QRP-L #447 ARRL

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: Denton Larson <dlarson@ic.waseca.mn.us>
Subject: [9098] Re: Sierra Modules
Message-ID: <199605281729.MAA00062@IC.mankato.mn.us>

At 02:27 AM 5/28/96 PST, you wrote:

>Since I'm going to be taking my Sierra and 7 band modules on the road
>this summer for a 'round the states trip, I want to secure the torrids
>to the band module pc boards. Anyone got any suggestions? It seems like
>hot glue would due the trick, another one of the locals suggested bee's
>wax. Ideas, anyone?

>

>72/73 rich K7YHA

>

Hi Rich, I have used silicon RTV with good results on other projects. I don't have a Sierra. The hot glue might be a bit hard after it cures? not sure. The RTV is smelly for a while, but is resilient (sp?) when it cures.

good luck Denton

WB0ZUR QRP-L #414

Denton K. Larson
dlarson@ic.waseca.mn.us
dlarson@efjohnson.com
71350.1667@compuserve.com

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: Stanley Wilson <microres@crl.com>
Subject: [9104] Re: Sierra Modules
Message-ID: <Pine.SUN.3.91.960528113251.4461A-100000@crl3.crl.com>

Do not use Household or construction type RTV. It contains an acid that loves to eat copper. Make sure it is an electronic type. If it smells like viniger it will attack copper. From one who learn the hard way.

On Tue, 28 May 1996, Denton Larson wrote:

> >
> Hi Rich, I have used silicon RTV with good results on other projects. I
> don't have a Sierra. The hot glue might be a bit hard after it cures?
> not sure. The RTV is smelly for a while, but is resiliant (sp?) when it
> cures.
>
> good luck Denton
>
>
> WBOZUR QRP-L #414
> Denton K. Larson
> dlarson@ic.waseca.mn.us
> dlarson@efjohnson.com
>-> 71350.1667@compuserve.com
>
>
>

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: Denton Larson <dlarson@ic.waseca.mn.us>
Subject: [9110] Re: Sierra Modules
Message-ID: <199605282237.RAA05322@IC.mankato.mn.us>

At 12:40 PM 5/28/96 -0700, you wrote:

>
>>Hi Rich, I have used silicon RTV with good results on other projects.
>

>Hi, Denton...we use only the RTV that cures with alcohol, not vinegar. It
>sez it's for electronic stuff. The trapped acid will eat copper badly with
>regular RTV. There was some discussion of this on the list a while back...
>

snip

Hi Kent and to others, I wasn't aware of this, I cant find the project that
I used it on last. maybe a good solder mask helps? I'll have to check the
stuff out at work, if I remember right it had a vinegar oder to it. I thought
it was for electronic products. Anyway thanks for the info, I'll keep it in
the ole memory bank :)

72's Denton

WB0ZUR QRP-L #414
Denton K. Larson
dlarson@ic.waseca.mn.us
dlarson@efjohnson.com
71350.1667@compuserve.com

From owner-qrp-l@Lehigh.EDU Tue May 28 23:31:00 1996
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [9115] Re: Sierra Modules-Tnx
Message-ID: <Pine.LNX.3.91.960528201137.8122G-100000@dt1.datatamers.com>

BTW, gents,
Its silicone rubber, NOT silicon!
72, Dave, W6EMD